

Sexually Transmitted Disease in Wisconsin 2000



Wisconsin STD Program

Technical notes

1. These reports are compiled by the Wisconsin STD Program and are based on STD case surveillance data collected by the Wisconsin Division of Public Health (DPH). In Wisconsin, state statutes require health care providers to report cases of chlamydia, gonorrhea, syphilis, primary genital Herpes simplex virus (HSV) infection, chancroid, and pelvic inflammatory disease to local health departments. Local health departments in turn forward reports to the DPH.
2. In this analysis the term "all STDs" refers specifically to reported cases of chlamydia, gonorrhea, syphilis, and primary genital Herpes simplex virus (HSV) infection. Unless otherwise specified, syphilis cases shown in these reports include all stages of disease.
3. These reports include cases diagnosed within the specified period. Additional cases diagnosed within the specified period may continue to be reported. Thus, this report should be considered provisional, and this report supercedes all previous reports.
4. Reporting of STDs cases is incomplete. Reporting rates may vary by disease, geographic region, and demographic groups. At any time, reported STD cases represent only part of the total number of diagnosed cases, therefore STD surveillance data likely underestimate total STD morbidity.
5. In these reports, rates presented are cases per 100,000 population. Rates are not calculated for categories with small numbers of cases. See each report for the rate calculation threshold.
6. Typically a significant number of STD cases are reported with unspecified race. When noted, imputed race-specific rates have been calculated. To calculate the imputed rate, reported cases with unspecified race were statistically allocated using the county-specific race distribution among cases with specified race. Thus, imputed rates specified in this table are estimates and should be used only for comparison.
7. In these reports, cases are allocated to the county of residence at the time of diagnosis. Cases diagnosed among inmates of correctional facilities are allocated to the county of the facility.

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Table 1. Reported cases of sexually transmitted disease
Cases reported in Wisconsin*
Year: 2000

	<u>All STDs</u>		<u>Chlamydia</u>		<u>Gonorrhea</u>		<u>Syphilis</u>		<u>Genital HSV</u>	
	Cases	Percent	Cases	Percent	Cases	Percent	Cases	Percent	Cases	Percent
Total	24962	100.0%	15725	100.0%	6735	100.0%	181	100.0%	2321	100.0%
Sex										
Male	7166	28.7%	3877	24.7%	2703	40.1%	83	45.9%	503	21.7%
Female	17770	71.2%	11835	75.3%	4022	59.7%	98	54.1%	1815	78.2%
Unknown	26	0.1%	13	0.1%	10	0.1%	0	0.0%	3	0.1%
Race										
White	6201	24.8%	4430	28.2%	789	11.7%	12	6.6%	970	41.8%
Black	7858	31.5%	4353	27.7%	3096	46.0%	149	82.3%	260	11.2%
Am. Indian	365	1.5%	285	1.8%	40	0.6%	3	1.7%	37	1.6%
Asian/Pacific Is.	201	0.8%	167	1.1%	21	0.3%	5	2.8%	8	0.3%
Other	439	1.8%	330	2.1%	77	1.1%	9	5.0%	23	1.0%
Unknown	9898	39.7%	6160	39.2%	2712	40.3%	3	1.7%	1023	44.1%
Hispanic ethnicity										
Hispanic	803	3.2%	607	3.9%	144	2.1%	12	6.6%	40	1.7%
Non Hispanic	12757	51.1%	8057	51.2%	3427	50.9%	166	91.7%	1107	47.7%
Unknown	11402	45.7%	7061	44.9%	3164	47.0%	3	1.7%	1174	50.6%
Age group										
0-4	25	0.1%	14	0.1%	6	0.1%	3	1.7%	2	0.1%
5-9	17	0.1%	7	0.0%	5	0.1%	0	0.0%	5	0.2%
10-14	478	1.9%	306	1.9%	159	2.4%	0	0.0%	13	0.6%
15-19	8416	33.7%	5878	37.4%	2198	32.6%	5	2.8%	335	14.4%
20-24	8284	33.2%	5643	35.9%	2039	30.3%	21	11.6%	581	25.0%
25-29	3538	14.2%	2181	13.9%	930	13.8%	20	11.0%	407	17.5%
30-34	1809	7.2%	929	5.9%	560	8.3%	22	12.2%	298	12.8%
35-39	1098	4.4%	426	2.7%	418	6.2%	30	16.6%	224	9.7%
40-44	549	2.2%	167	1.1%	199	3.0%	20	11.0%	163	7.0%
45-49	343	1.4%	89	0.6%	113	1.7%	23	12.7%	118	5.1%
50+	388	1.6%	75	0.5%	103	1.5%	37	20.4%	173	7.5%
Unknown	17	0.1%	10	0.1%	5	0.1%	0	0.0%	2	0.1%
Region of residence										
Northeastern	2372	9.5%	1725	11.0%	181	2.7%	3	1.7%	463	19.9%
Northern	884	3.5%	643	4.1%	62	0.9%	0	0.0%	179	7.7%
Southeastern	14099	56.5%	8344	53.1%	4636	68.8%	159	87.8%	960	41.4%
Southern	3259	13.1%	2128	13.5%	855	12.7%	17	9.4%	259	11.2%
Western	1363	5.5%	1005	6.4%	130	1.9%	2	1.1%	226	9.7%
Unknown*	2985	12.0%	1880	12.0%	871	12.9%	0	0.0%	234	10.1%

* Includes 47 cases reported among residents of other states, and 2937 Wisconsin cases reported without a county specified.

Table 2. Reported cases of sexually transmitted disease by year
Cases reported in Wisconsin

Year	All STDs	Chlamydia	Gonorrhea	Syphilis	Genital HSV
1993	21,634	11,720	6,892	1,134	1,888
1994	22,604	11,838	7,806	824	2,136
1995	19,986	11,052	6,371	617	1,946
1996	17,762	10,266	4,911	505	2,080
1997	18,173	11,063	4,917	351	1,842
1998	22,422	13,841	6,319	216	2,046
1999	22,861	14,257	6,355	138	2,111
2000	24,962	15,725	6,735	181	2,321
Total	170,404	99,762	50,306	3,966	16,370

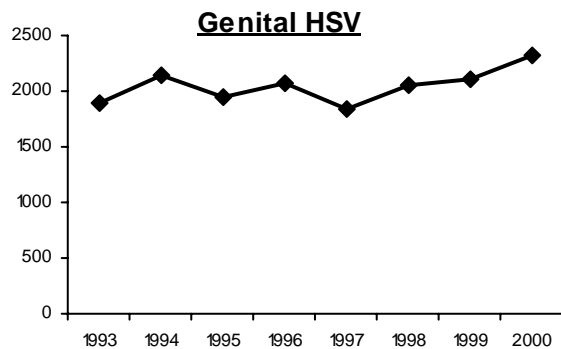
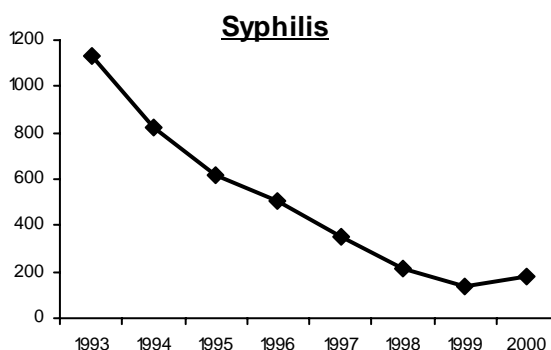
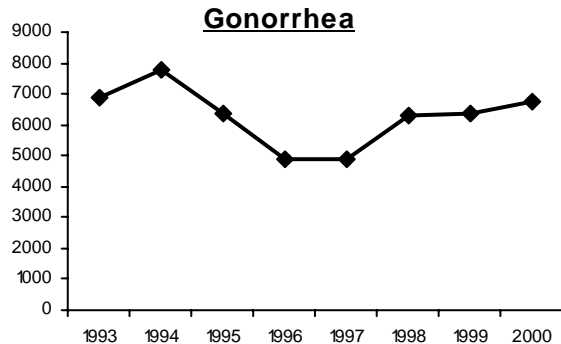
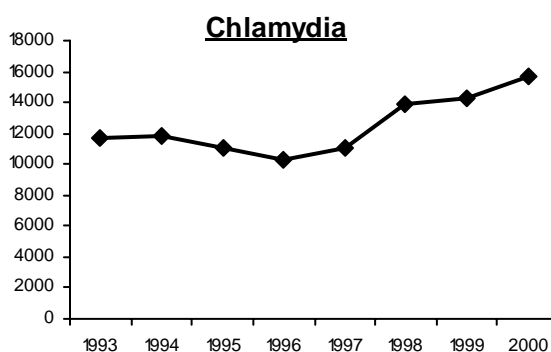
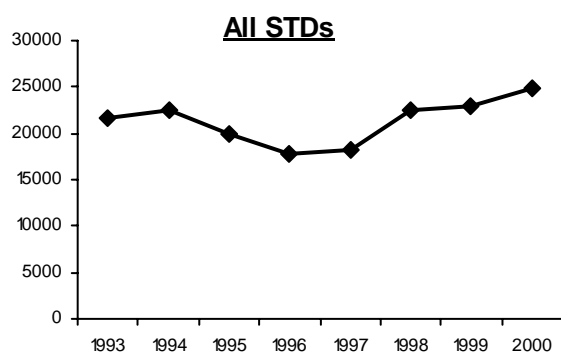


Table 3. Reported cases of sexually transmitted disease by DHFS region and county

*Cases reported in Wisconsin**

Year: 2000

Region/County	<u>All STDs</u>			<u>Chlamydia</u>			<u>Gonorrhea</u>			<u>Syphilis</u>			<u>Genital HSV</u>		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Northeastern Region	2372	10.8%	204	1725	12.5%	149	181	3.1%	16	3	1.7%	**	463	22.2%	40
Brown	819	3.7%	361	605	4.4%	267	84	1.4%	37	1	0.6%	**	129	6.2%	57
Calumet	44	0.2%	108	26	0.2%	64	1	0.0%	**	0	0.0%	**	17	0.8%	42
Door	22	0.1%	79	10	0.1%	36	1	0.0%	**	0	0.0%	**	11	0.5%	39
Fond Du Lac	161	0.7%	165	106	0.8%	109	21	0.4%	22	0	0.0%	**	34	1.6%	35
Green Lake	29	0.1%	152	25	0.2%	131	2	0.0%	**	0	0.0%	**	2	0.1%	**
Kewaunee	18	0.1%	89	14	0.1%	69	1	0.0%	**	0	0.0%	**	3	0.1%	**
Manitowoc	127	0.6%	153	88	0.6%	106	6	0.1%	7	1	0.6%	**	32	1.5%	39
Marinette	50	0.2%	115	31	0.2%	71	0	0.0%	**	1	0.6%	**	18	0.9%	41
Marquette	19	0.1%	120	12	0.1%	76	2	0.0%	**	0	0.0%	**	5	0.2%	32
Menominee	75	0.3%	1,645	60	0.4%	1,316	6	0.1%	132	0	0.0%	**	9	0.4%	197
Oconto	64	0.3%	180	49	0.4%	138	2	0.0%	**	0	0.0%	**	13	0.6%	36
Outagamie	300	1.4%	186	209	1.5%	130	20	0.3%	12	0	0.0%	**	71	3.4%	44
Shawano	60	0.3%	148	47	0.3%	116	2	0.0%	**	0	0.0%	**	11	0.5%	27
Sheboygan	194	0.9%	172	149	1.1%	132	9	0.2%	8	0	0.0%	**	36	1.7%	32
Waupaca	59	0.3%	114	46	0.3%	89	1	0.0%	**	0	0.0%	**	12	0.6%	23
Waushara	26	0.1%	112	18	0.1%	78	2	0.0%	**	0	0.0%	**	6	0.3%	26
Winnebago	305	1.4%	195	230	1.7%	147	21	0.4%	13	0	0.0%	**	54	2.6%	34
Northern Region	884	4.0%	183	643	4.6%	133	62	1.1%	13	0	0.0%	**	179	8.6%	37
Ashland	24	0.1%	142	18	0.1%	107	2	0.0%	**	0	0.0%	**	4	0.2%	**
Bayfield	5	0.0%	33	4	0.0%	**	0	0.0%	**	0	0.0%	**	1	0.0%	**
Florence	0	0.0%	**	0	0.0%	**	0	0.0%	**	0	0.0%	**	0	0.0%	**
Forest	40	0.2%	399	30	0.2%	299	5	0.1%	50	0	0.0%	**	5	0.2%	50
Iron	6	0.0%	87	6	0.0%	87	0	0.0%	**	0	0.0%	**	0	0.0%	**
Langlade	19	0.1%	92	15	0.1%	72	1	0.0%	**	0	0.0%	**	3	0.1%	**
Lincoln	61	0.3%	206	43	0.3%	145	11	0.2%	37	0	0.0%	**	7	0.3%	24
Marathon	285	1.3%	227	198	1.4%	157	36	0.6%	29	0	0.0%	**	51	2.4%	41
Oneida	44	0.2%	120	29	0.2%	79	2	0.0%	**	0	0.0%	**	13	0.6%	35
Portage	167	0.8%	249	125	0.9%	186	2	0.0%	**	0	0.0%	**	40	1.9%	60
Price	32	0.1%	202	25	0.2%	158	1	0.0%	**	0	0.0%	**	6	0.3%	38

Region/County	All STDs			Chlamydia			Gonorrhea			Syphilis			Genital HSV		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Sawyer	25	0.1%	154	24	0.2%	148	0	0.0%	**	0	0.0%	**	1	0.0%	**
Taylor	6	0.0%	30	5	0.0%	25	0	0.0%	**	0	0.0%	**	1	0.0%	**
Vilas	32	0.1%	152	20	0.1%	95	1	0.0%	**	0	0.0%	**	11	0.5%	52
Wood	138	0.6%	183	101	0.7%	134	1	0.0%	**	0	0.0%	**	36	1.7%	48
Southeastern Region	14099	64.2%	703	8344	60.3%	416	4636	79.1%	231	159	87.8%	8	960	46.0%	48
Jefferson	90	0.4%	119	65	0.5%	86	10	0.2%	13	0	0.0%	**	15	0.7%	20
Kenosha	546	2.5%	365	374	2.7%	250	126	2.1%	84	3	1.7%	**	43	2.1%	29
Milwaukee	11775	53.6%	1,253	6901	49.8%	734	4099	69.9%	436	151	83.4%	16	624	29.9%	66
Ozaukee	70	0.3%	85	29	0.2%	35	11	0.2%	13	0	0.0%	**	30	1.4%	36
Racine	1014	4.6%	537	583	4.2%	309	326	5.6%	173	2	1.1%	**	103	4.9%	55
Walworth	106	0.5%	115	77	0.6%	84	9	0.2%	10	1	0.6%	**	19	0.9%	21
Washington	107	0.5%	91	62	0.4%	53	9	0.2%	8	1	0.6%	**	35	1.7%	30
Waukesha	391	1.8%	108	253	1.8%	70	46	0.8%	13	1	0.6%	**	91	4.4%	25
Southern Region	3259	14.8%	326	2128	15.4%	213	855	14.6%	85	17	9.4%	2	259	12.4%	26
Adams	19	0.1%	102	15	0.1%	80	1	0.0%	**	0	0.0%	**	3	0.1%	**
Columbia	73	0.3%	139	53	0.4%	101	12	0.2%	23	0	0.0%	**	8	0.4%	15
Crawford	20	0.1%	116	14	0.1%	81	2	0.0%	**	0	0.0%	**	4	0.2%	**
Dane	1847	8.4%	433	1142	8.2%	268	585	10.0%	137	10	5.5%	2	110	5.3%	26
Dodge	307	1.4%	357	246	1.8%	286	43	0.7%	50	2	1.1%	**	16	0.8%	19
Grant	43	0.2%	87	31	0.2%	63	4	0.1%	**	0	0.0%	**	8	0.4%	16
Green	57	0.3%	169	38	0.3%	113	4	0.1%	**	0	0.0%	**	15	0.7%	45
Iowa	31	0.1%	136	24	0.2%	105	5	0.1%	22	0	0.0%	**	2	0.1%	**
Juneau	37	0.2%	152	26	0.2%	107	0	0.0%	**	0	0.0%	**	11	0.5%	45
Lafayette	10	0.0%	62	9	0.1%	56	0	0.0%	**	0	0.0%	**	1	0.0%	**
Richland	18	0.1%	100	14	0.1%	78	1	0.0%	**	0	0.0%	**	3	0.1%	**
Rock	685	3.1%	450	436	3.1%	286	193	3.3%	127	5	2.8%	3	51	2.4%	33
Sauk	89	0.4%	161	63	0.5%	114	5	0.1%	9	0	0.0%	**	21	1.0%	38
Vernon	23	0.1%	82	17	0.1%	61	0	0.0%	**	0	0.0%	**	6	0.3%	21
Western Region	1363	6.2%	191	1005	7.3%	141	130	2.2%	18	2	1.1%	**	226	10.8%	32
Barron	79	0.4%	176	63	0.5%	140	5	0.1%	11	0	0.0%	**	11	0.5%	24
Buffalo	7	0.0%	51	7	0.1%	51	0	0.0%	**	0	0.0%	**	0	0.0%	**
Burnett	4	0.0%	**	4	0.0%	**	0	0.0%	**	0	0.0%	**	0	0.0%	**
Chippewa	104	0.5%	188	82	0.6%	149	9	0.2%	16	1	0.6%	**	12	0.6%	22
Clark	34	0.2%	101	21	0.2%	63	3	0.1%	**	1	0.6%	**	9	0.4%	27
Douglas	93	0.4%	215	74	0.5%	171	12	0.2%	28	0	0.0%	**	7	0.3%	16

Wisconsin STD Program data

Region/County	<u>All STDs</u>			<u>Chlamydia</u>			<u>Gonorrhea</u>			<u>Syphilis</u>			<u>Genital HSV</u>		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Dunn	91	0.4%	228	79	0.6%	198	2	0.0%	**	0	0.0%	**	10	0.5%	25
Eau Claire	268	1.2%	288	203	1.5%	218	13	0.2%	14	0	0.0%	**	52	2.5%	56
Jackson	64	0.3%	335	52	0.4%	272	3	0.1%	**	0	0.0%	**	9	0.4%	47
La Crosse	333	1.5%	311	215	1.6%	201	66	1.1%	62	0	0.0%	**	52	2.5%	49
Monroe	71	0.3%	174	55	0.4%	134	3	0.1%	**	0	0.0%	**	13	0.6%	32
Pepin	6	0.0%	83	6	0.0%	83	0	0.0%	**	0	0.0%	**	0	0.0%	**
Pierce	33	0.2%	90	22	0.2%	60	8	0.1%	22	0	0.0%	**	3	0.1%	**
Polk	51	0.2%	123	32	0.2%	77	0	0.0%	**	0	0.0%	**	19	0.9%	46
Rusk	28	0.1%	182	23	0.2%	150	2	0.0%	**	0	0.0%	**	3	0.1%	**
St Croix	51	0.2%	81	29	0.2%	46	1	0.0%	**	0	0.0%	**	21	1.0%	33
Trempealeau	32	0.1%	118	24	0.2%	89	3	0.1%	**	0	0.0%	**	5	0.2%	19
Washburn	14	0.1%	87	14	0.1%	87	0	0.0%	**	0	0.0%	**	0	0.0%	**
Total	21977	100.0%	410	13845	100.0%	258	5864	100.0%	109	181	100.0%	3	2087	100.0%	39

* Excludes 47 cases reported among residents of other states, and 2937 Wisconsin cases reported without a county specified.

** Cases per 100,000 population. Rate not calculated for categories with less than 5 cases.

Table 4. Reported cases of sexually transmitted disease by age and disease
Cases reported in Wisconsin
Year: 2000

All STDs

Age	Cases	Rate*
0-4	25	7
5-9	17	4
10-14	478	118
15-19	8,416	2065
20-24	8,284	2317
25-29	3,538	1061
30-34	1,809	486
35-39	1,098	252
40-44	549	124
45-49	343	86
50+	405	27
Total	24,962	465

Chlamydia

Age	Cases	Rate*
0-4	14	4
5-9	7	1
10-14	306	75
15-19	5,878	1442
20-24	5,643	1578
25-29	2,181	654
30-34	929	249
35-39	426	97
40-44	167	37
45-49	89	22
50+	85	5
Total	15,725	293

Gonorrhea

Age	Cases	Rate*
0-4	6	1
5-9	5	1
10-14	159	39
15-19	2,198	539
20-24	2,039	570
25-29	930	278
30-34	560	150
35-39	418	96
40-44	199	45
45-49	113	28
50+	108	7
Total	6,735	125

Syphilis

Age	Cases	Rate*
0-4	3	**
5-9	0	**
10-14	0	**
15-19	5	1
20-24	21	5
25-29	20	5
30-34	22	5
35-39	30	6
40-44	20	4
45-49	23	5
50+	37	2
Total	181	3

Genital HSV

Age	Cases	Rate*
0-4	2	**
5-9	5	1
10-14	13	3
15-19	335	82
20-24	581	162
25-29	407	122
30-34	298	80
35-39	224	51
40-44	163	37
45-49	118	29
50+	175	11
Total	2,321	43

* Cases per 100,00 population

** Rate not calculated for categories with less than 5 cases.

Table 5. Reported sexually transmitted disease, reported rates* and imputed rates by race**
Cases reported in Wisconsin

Year: 2000

	Cases per 100,000 population***				
	All STDs	Chlamydia	Gonorrhea	Syphilis	Genital HSV
	Reported - Imputed	Reported - Imputed	Reported - Imputed	Reported - Imputed	Reported - Imputed
White	126 - 164	90 - 113	16 - 20	0 - 0	19 - 30
Black	2433 - 3892	1348 - 2240	958 - 1450	46 - 46	80 - 154
Am. Indian	686 - 830	536 - 643	75 - 90	** - **	69 - 91
Asian/Pacific Is.	204 - 271	170 - 225	21 - 27	5 - 5	8 - 13

* The reported rate is the number reported cases with specified race per 100,000 population. Because some cases are reported with unspecified race, the reported rate under-estimates actual morbidity and thus should be regarded as a minimum estimate.

** The imputed rate takes into consideration cases reported without race specified. To calculate the imputed rate reported cases with unspecified race were statistically allocated using the county-specific race distribution among cases with specified race. Thus, imputed rates specified in this table are estimates.

*** Rate not calculated for categories with less than 5 cases.